Form MR-SMO
(Revised 3/96)

This Section for DOGM Use:
Assigned DOGM File No.: S 1037103
DOGM Lead: AAG

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340
Fax: (801) 359-3940

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

The informational requirements of this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1987, and the General Rules as promulgated under the Utah Minerals Regulatory Program.

"Small Mining Operations" means mining operations which disturb five or less surface acres at any given time.

* * * * * * * * *

I. GENERAL INFORMATION (Rule R647-3-104)

1. Name of Mine: JOKER

2. Name of Operator/Applicant: Calvyn Boyd BRADFORD
Company ( ) Corporation ( ) Partnership (✓) Individual ( )

3. Permanent Address: 240 west 500 South (63-9)
City: BLANDING State: UTAH Zip Code: 84511
Telephone Number: (435) 678-2933

4. Ownership of Land Surface:

Private (Fee) ☐ Public Domain (BLM) ☑ National Forest (USFS) ☐
State Trust Land/School Sections ☐ State Sovereign Lands ☐
Other (please describe): _____

Name _____ Address _____
Name _____ Address _____
Name _____ Address _____
Name _____ Address _____

5. Ownership of Minerals:

Private (Fee) ☑ Public Domain (BLM) ☐ National Forest (USFS) ☐
State Trust Land/School Sections ☐ State Sovereign Lands ☐
Other (please describe):_____

Name Calvyn B. Bradford Address 246 W. 500 S. (63-9) Blanding, UT.
Name Neal Z. Bradford Address ~~130~~ 200 S. 69 B (63-9) Blanding, Utah
Name Kevin F. Black Address 41 E. 300 S. (85-9) Blanding, ut. 84511
Name_____ Address_____

Utah Mining Claim Number(s): UMC 363871, UMC 363872. UMC 363873

Utah State Lease Number(s):_____

Name of Lessee(s)_____

6. Have the above surface and mineral owners been notified in writing?
Yes ✓ No _____

If no, why not?_____

*Please be advised that if State Trust Lands are involved, notification to the Division of Oil, Gas and Mining alone does not satisfy the notification requirements of Mineral Leases upon State Trust Lands. Exploration or mining activity on State Trust Lands requires a minimum of 60 days notice to the Trust Lands Administration **prior** to commencing any activities. Please contact the School Institutional Trust Lands Administration (SITLA) at (801) 538-5508 for notification requirements.*

7. Does the operator have legal right to enter and conduct mining operations on the land covered by this notice? Yes ✓ No _____

II. PROJECT LOCATION & MAP (Rule R647-3-105)

1. Project Location (legal description):

County(ies): SAN JUAN

SOUTH ½ of Section 9, T37S, R24E

SE 1/4, of SW 1/4, of SE 1/4: Section: 9 Township: 37S. Range: 24 E.
_____ 1/4, of _____ 1/4, of _____ 1/4: Section: _____ Township: _____ Range: _____
_____ 1/4, of _____ 1/4, of _____ 1/4: Section: _____ Township: _____ Range: _____

2. A topographic base map showing the location of the proposed small mining operation must be submitted with this notice. A USGS 7.5 minute series map is preferred. The areas to be disturbed should be plotted in sufficient detail so that they can be located on the ground. It is recommended that the operator also plot and label any pre-existing disturbances in the immediate vicinity that he is not responsible for.

III. OPERATION PLAN (Rule R647-3-106)

1. Type of mining: Surface ☐ Underground ☑

2. Mineral(s) to be mined: U_3O_8, V_2O_5

3. Provide a brief description of the proposed mining operation and onsite processing facilities. We will drill, probe holes, Blast, Muck and dump outside. ORE will be hauled to International Uranium Mill. Waste will be stored on muck dump for Reclamation. See Joked Mine Plan for additional details

☐ New Road(s): Length_____(ft) Width_____(ft)

☐ Improved Road(s): Length_____(ft) Width_____(ft)

Total project surface acreage to be disturbed: 5 (acres)

Proposed startup date of project (month, year) 15 December 1997

Proposed completion date of project, if known (month, year) Not Known

IV. OPERATION AND RECLAMATION PRACTICES (Rule R647-3-107, 108 & 109)

The reclamation and operation obligation is to keep the area clean and safe, minimize hazards to public safety, return the land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover. To accomplish this, the operator will need to perform reclamation concurrently, or at the completion (within one (1) year) of mining:

1. Keep the mining operation in a safe, clean, and environmentally stable condition.
2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
3. Plug drill holes with a five foot cement surface plug. Holes that encounter fluids are to be plugged in the subsurface to prevent aquifer contamination.
4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
5. Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
6. Remove all waste or debris from stream channels.
7. Dispose of any trash, scrap metal, wood, machinery, and buildings.
8. Conduct mining activities so as to minimize erosion and control sediment.

9. Reclaim all roads that are not part of a permanent transportation system.

10. Stockpile topsoil and suitable overburden prior to mining.

11. Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.

12. Properly prepare seedbed to a depth of six inches by ripping, discing, or harrowing.

13. Reseed disturbed areas with adaptable species. (The Division recommends seeding 20 lbs./acre of native and introduced species of grass, forb, and browse seed, and will provide a specific species list if requested.)

14. Plant the seed with a rangeland or farm drill, or if broadcast seeded, harrow or rake the seed 1/4-1/2 inch into the soil - fall is the preferred time to seed.

V. VARIANCE REQUEST (Rule R647-3-110)

Yes ☐ No ☐

Any planned deviations from Rules R647-3-107, Operation Practices, R647-3-108, Hole Plugging Requirements, or R647-3-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

Item Number	Variance Request Justification
10	Previously disturbed
12	Previously disturbed

VI. SIGNATURE REQUIREMENT

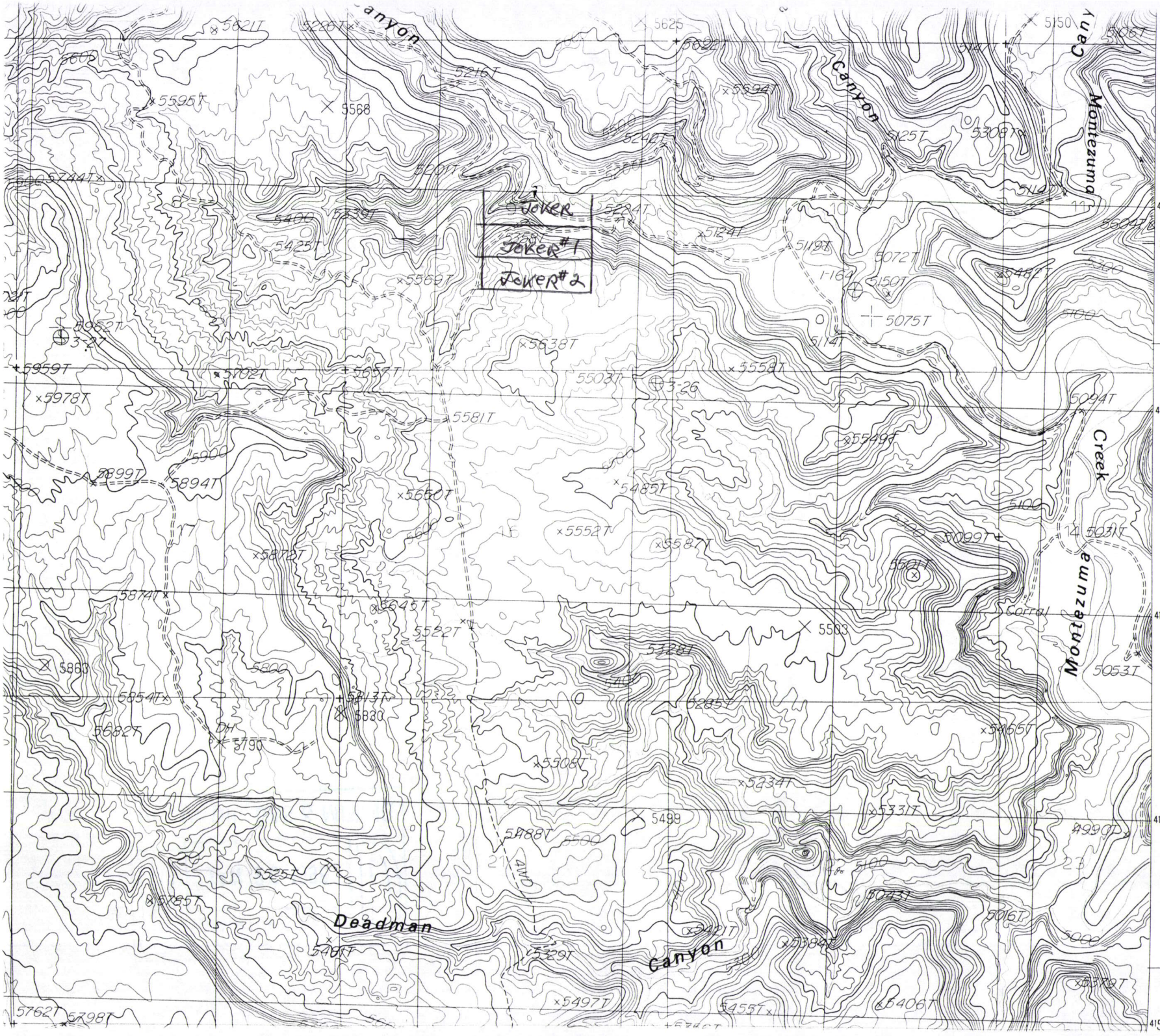
I hereby commit to conduct mining operations and to reclaim the aforementioned small mine as required by the Utah Mined Land Reclamation Act (40-8) and the rules as specified by the Board of Oil, Gas and Mining.

Signature of Operator/Applicant: Calvyn Boyd Bradford

Name (typed or printed): CALVYN Boyd BRADFORD

Title/Position (if applicable): Owner

Date: 11-23-97



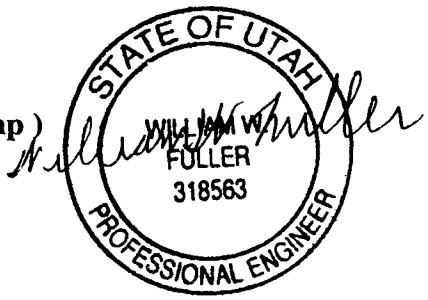
Brad Ford
Canyon
Quad

37 S 24 E
Sec 9

Third Party Professional Engineer's Review

The enclosed calculations have been reviewed by me or by someone under my direct supervision. The calculations presented in this document represent reasonable anticipated reclamation costs associated with the mining related project described herein.

Costs were determined from information provided by the client, based on proposed reclamation plans. Costs were based on methods normally used in the mine reclamation industry. Actual reclamation costs are contingent upon disturbance conditions at the time of reclamation, contractor performance, methodology, weather conditions, and many other factors beyond this engineer's control. Therefore adherence to these reclamation cost estimates does not guarantee reclamation success. The engineer's signature shall not be construed to certify portions of the document for which he/she did not have responsible charge.

(stamp) 

Signature: William W Fuller

Title: Environmental Engineer

Date: Jan 19, 1998

Registration Number: 318563

Joker Mine Plan

Mobilization of equipment, tools, and materials to include: loader, buggy, air compressor jacktank, misc. tools, pipe and fittings; vent blowers, vent bag and storage boxes etc. The mine portal has existing roads to it. No new roads will need to be made.

Security will consist of a flagged cable gate over the road preventing access to the mine. Signs will be posted along with an In and Out board. Portal doors will be installed on the portals secured with locks. Equipment will remain under ground along with explosives. There is an existing shed on site we will use to store misc. items. A portable trailer will be used on site for lunch breaks and office. No living quarters are necessary on site, travel to and from the mine each day is twenty four miles one way from Blanding.

This mining operation will consist of a two - three man crew.

The mine has just enough water for drilling and keeping dust down; any excess water will be pumped into a lower sump drift.

Blasting will be done underground, there will be no air-born admission to the out side air. Ventilation will be accomplished through vent holes using blowers and vent bag.

The ore pad will be made by pushing top soil into a pile, storing there until time for reclamation. Signs will be posted.

The existing muck dump on site will continue to be used.

The trucking of ore will be limited to one load per day. The haul from the mine to the mill (International Uranium) is Apx. 30 miles.

Reclamation will commence at the end of the mining operation. muck dump and ore pads will be covered over with top soil and reseeded. Portals shall be covered up with rocks and dirt and reseeded. Vent holes, drill holes shall be covered and sealed with concrete, then covered with top soil and reseeded. The buildings, fencing and equipment shall be removed including all trash from the area.

BLM Case # _____
Project Name: Joker Mine

Reclamation Cost Estimation Summary Sheet[1]
Notice Level Operations

Enter only those values in the cost estimate that are appropriate to this particular project. This summary sheet is to be accompanied by a worksheet describing how each itemized cost estimation was calculated.

A. Earthwork/Recontouring

		Manpower($)[2]	Equipment($)	Materials($)	Total
1.	Roads	$180.00	$360.00	$30.00	$ 570.00
2.	Drill Site(s)	$	$	$	$
3.	Drill Hole Abandonment	$	$	$	$
4.	Pits/Adits/Trenches	$	$	$	$
5.	Process Ponds	$	$	$	$
6.	Heaps	$	$	$	$
7.	Dumps (waste + landfills)	$	$	$	$
8.	Tailings	$390.00	$650.00	$30.00	$1,070.00
9.	Structure & Building Areas	$120.00	$120.00	$10.00	$ 250.00
10.	Storage & Equipment Areas	$120.00	$120.00	$10.00	$ 250.00
11.	Drainage Control Plan	$	$	$	$
12.	Mobilization / Demobilization	$480.00	$850.00	$60.00	$1,390.00
13.	Miscellaneous[3]	$	$	$	$
	Subtotal	$1,290.00	$2,100.00	$ 140.00	$ 3,530.00

B. Revegetation/Stabilization

1.	Roads	$	$	$100.00	$
2.	Drill Site(s)	$	$	$	$
3	Pits/Adits/Trenches	$	$	$	$
4.	Process Ponds	$	$	$	$
5.	Heaps	$	$	$	$
6.	Dumps (waste + landfills)	$	$	$	$
7.	Tailings	$	$	$225.00	$
8.	Structure & Building Areas	$	$	$	$
9.	Storage & Equipment Areas	$	$	$10.00	$
10.	Drainage Control Plan	$	$	$	$
11.	Monitoring	$	$	$	$
12.	Miscellaneous[3]	$	$	$	$
	Subtotal	$	$	$335.00	$

C. Detoxification/Disposal of Wastes

1.	Process Ponds	$	$	$	$
2.	Heaps	$	$	$	$
3.	Dumps (waste + landfills)	$	$	$	$
4.	Tailings	$	$	$	$
5.	Drainage Control Plan	$	$	$	$
6.	Monitoring	$	$	$	$
7.	Miscellaneous[3]	$	$	$	$
	Subtotal	$	$	$	$

		Manpower($)[2]	Equipment($)	Materials($)	Total
D.	**Structures, Equipment, and Facilities Removal**	$180.00	$180.00	$ 15.00	$ 375.00
E.	**Contract Administration**[4]	$760.00			

F. **Other Costs**

If the quoted hourly rates contained FICA, SIIS, Davis-Bacon wage rates, insurance bond premiums, and profit, the operator may sign this statement under penalty of 18 USC 1001 that the above rates contain these items and that itemization of these costs are therefore not necessary:

Signature

Dec. 26, 1997
Date

1.	Insurance (On site liability)[5]	$ N/A
2.	Bond (Performance & Payment)[6]	$ N/A
3.	Profit[7]	$ N/A
Total		$ N/A

G. **Grand Total** $5,000.00

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[1] All reclamation costs are to be calculated as third party contracts (the agency will put the reclamation contract out to bid in the event of operator default).

[2] For Federal construction contracts, Davis-Bacon wage rates are required. Wage rates must also contain FICA, SIIS, and other required coverage and benefits covering the workforce.

[3] Miscellaneous items should be itemized on your accompanying worksheets.

[4] For Federal construction contracts, use 18% of project costs for cost estimates up to $1,000,000. Use 10% of project costs for cost estimates of $1,000,000 and above.

[5] Insurance premium is calculated at 1.5% of the total labor costs. Enter the premium amount only on this line

[6] Federal construction contracts over $25,000 require both a performance and a payment bond (Miller Act, 40 USC 270 et seq.). Each bond premium is figured at 1.5% of total project costs. Enter the sum of both premium costs on this line.

[7] For Federal construction contracts, use 10% of project costs.

The source of the equipment cost estimate is (ie. Cat Handbook, contractor estimate, etc.):

Contractor Estimate

These figures look reasonable for the necessary reclamations

Don E. Smith

04/11/97

Don E. Smith PHD
Environmental Chemist

Notice ..vel Reclamation Bond Check..

NOTE: This checklist is provided to assist the operator in calculating the engineering and environmental costs required to properly stabilize and reclaim the area disturbed by mineral exploration and/or mining operations. It is not all inclusive, but is intended to serve as a reminder of issues that should be considered.

When requested, the BLM will assist the operator in developing reclamation procedures and obtaining a proper reclamation cost estimate.

General

1. Mobilization and demobilization
2. Recontouring or regrading to blend with the natural topography
3. Restoring the pre-disturbance surface water regime, wildlife and fisheries habitat
4. Replacing topsoil or adding additional growth medium
5. Fertilizing or mulching as necessary
6. Seed bed preparation
7. Plants or seed (seed mix to be determined by the BLM)
8. Drilling or broadcast/raking seed
9. Control of noxious weeds
10. Reseeding or planting as necessary to establish 70% of the original vegetation cover

Access roads and drill pads

1. Removing culverts
2. Ripping or scarifying the surface
3. Water diversion construction/waterbars

Drill hole abandonment

1. Plugging drill holes with tamped cuttings or native material to a depth of 5 feet
2. Plugging the top 5 feet with cement
3. If subsurface water is encountered, cementing the hole from 50 feet below to 50 feet above the saturated zone(s)

Trenches, pits, and adits

1. Securing portals from public entry

Waste and development rock dumps, overburden, interburden storage areas

1. Diverting run-on

Dams for tailings ponds

1. Rendering the dam incapable of storing any mobile fluid in a quantity which could pose a threat to dam stability or public safety

Impoundment for tailings

1. Diverting run-off
2. Capping with impermeable liners, if necessary
3. Containment basins and water treatment facilities for leakage or outflow of effluent
4. Continued monitoring of effluent
5. Plugging of monitoring wells
6. Fence and other structure removal

Heaps from leaching

1. Detoxification and neutralization
2. Diverting run-off
3. Containment and treatment of outflows of residual chemicals or fluids from the heaps
4. Continued monitoring of effluent
5. Plugging of monitoring wells
6. Removal of structures and equipment

Solution ponds, settling ponds, and other non-tailings impoundments

1. Water testing and treatment

Building foundations, facilities, structures, and other equipment

1. Demolishing costs to the level of the foundation and burying costs of the demolished items on site, in conformance with applicable solid waste and hazmat disposal requirements
2. Salvaging and sale costs; no provision for salvage value or credit is permitted
3. Disposal costs in conformance with applicable solid waste disposal and hazmat requirements

Open pit mines

1. Providing for the public safety
2. Stabilizing pit walls or rock faces where required for public safety
3. Constructing and maintaining berms, fences, or other means of restricting public access
4. Costs of creating and maintaining a lake for recreational, wildlife enhancement, or other beneficial use
5. Water quality monitoring

Underground mines

1. Sealing shafts, adits, portals, and tunnels to prevent access
2. Constructing and maintaining berms, fences, or other means of restricting access